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vanic Laboratory	en e	
Small parts, received from the Machine Shop, were go nickel plated and pickled (using a voltage of 68 and in this laboratory. The parts were handed inside the window which had been cut into the outer door.	varving amperage) 50X1-HU
Filaments, which were shaped by winding on metal rode the Galvanic Laboratory to have the rode "eaten out"the spiral filament. The filaments and cores were re	leaving only	
Special Heating Laboratory	These	50X1-F
stress caused by the bending process.) They were the	en sent to this	
laboratory to have the core removed by acid, and on Insulating Coating Laboratory, for coating. The core	tothe	50X1-H
molybdenum.	· woo move ut	, W
No Germans were employed there. supervisor of this laboratory:	the	50X1-HU
Lebedewa Ing Chemistry.	· · · · · · · · · · · · · · · · · · ·	
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Prang, Willi, Dr			
Salniko , Ing Physics			
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Von Brueck, Dipl Ing			
TOR DIRECTOR DIPLING			
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e technician, two female technicians and two : SECTION Generatory Laboratory was engaged in the coating of vacua The : employed there: Alekseyera, Tonia ()	um tube e	leme <u>n</u> ts.	50X1-HU
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4.	DEURET/SEC	-4-	NFORMATION			
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Zartases, Lydia						
Stern, Willi						
Trekhayeva, Lus	. (approxi	mate en	alling)	•		
	/=FF23==					
Warakina, Nina			•		*	
Kaba (surname not	known					
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In addition to those mentioned, there were at least 25 others employed in the Analytic Laboratory-of which there were five female engineers, one male engineer, and at least 10 female technicians.

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fir	re other f	emales worke	d in this l	Laboratory	<u>'</u>	
Coating La	boratory	H. 444				
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equer and	blackenin	g the inside	of televis	sion tubes	. 4	
side walls	of the tu	be.	thi	is process	was done	DOX1-HOM
			in 1951-52	2. Only o	ne or two	•
				98.		
				the perso		
there:			•••••••••••••••••••••••••••••••••••••••	fue berso		50X1-HUM X1-HUM
	Coating Left the work acquer and al similar side walls ther labors sion tubes	five other for the Coating Laboratory If the work of this lacquer and blackening all similar to graphical walls of the tuther laboratory of the sign tubes were expension tubes were expension.	five other females worked Coating Laboratory If the work of this laboratory coacquer and blackening the inside all similar to graphite was finely side walls of the tube. The laboratory of the Institutes in tubes were experimented on	five other females worked in this laboratory Coating Laboratory	five other females worked in this laboratory Coating Laboratory I the work of this laboratory consisted of coating tacquer and blackening the inside of television tubes all similar to graphite was finely sifted for application and the side walls of the tube. this process ther laboratory of the Institute in 1951-52. Only o	five other females worked in this laboratory; Coating Laboratory If the work of this laboratory consisted of coating tube bases acquer and blackening the inside of television tubes. A sal similar to graphite was finely sifted for application onto side walls of the tube. this process was done ther laboratory of the Institute in 1951-52. Only one or two sion tubes were experimented on daily.

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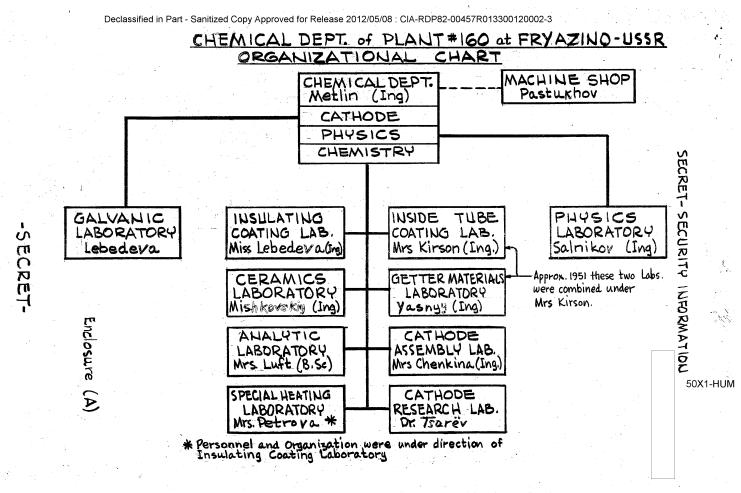
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th	ode Assembly Laboratory	
•	This laboratory was engaged in the coating of cathodes. The machine used in Method #2 was located here. It	50X1-HL
	was used for coating (by spraying) tungsten wire spools with a mixtur	
	of 50% barium, 45% strontium, and 5% calcium. (The formula followed	
	was the same one which was used at Telefunken, Berlin.) This was the only machine of its kind at Institute #160. Cathodes were also	
	nickel-coated in the Cathode Assembly Laboratory. The nickel powder-	
	formula NI (Co)4 was applied by painting it onto the cathode with a	
	brush and then oven-heated to 700°C. The carbonate mixture (equal portions of barium and strontium plus a solution of nitro-cellulose)	
	was applied with a brush to fill the holes which occasionally re-	
	sulted from the nickel powder mixture; sometimes two or three applica	-
	tions were necessary to fill the holes properly.	٠
	Another function of this laboratory was the application of a black	
	paste onto long, hollow, metal tubes, 5-7	50X1-HU
	mm in diameter and 30-40 mm long. (The metal was lighter in color than nickel.) these cathode heater tubes may have been	E0V4 III
	need in magnetron tubes.	50X1-HL
	These tubes were fused in an oven at	
	a temperature higher than 1000°C. The oven usually used was cali-	
	brated up to 1000°C, but when it was not in operable condition, an oven calibrated up to 1700°C was used instead. These ovens were put	
	into operation only a certain time of the day. The ovens were	
	30 30 70 4	
	17 cm x 17 cm x 35 cm long, and contained a corundum	50X1-HU
	tube of aluminum oxide, where the "small ships" containing these	50X1-HU
	tube of aluminum oxide, where the "small ships" containing these tubes were inserted and heated /see Enclosure (B). Regarding the personnel employed here:	
	tube of aluminum oxide, where the "small ships" containing these tubes were inserted and heated see Enclosure (B). Regarding the personnel employed here:	
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] :he	tube of aluminum oxide, where the "small ships" containing these tubes were inserted and heated see Enclosure (B). Regarding the personnel employed here: 50X1- Chenkina Ing Chemistry Four persons worked for Chenkinaa female engineer, Smokti (Party member), a female technician and two female assistants. No German personnel worked here.	
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	Tsandy g Doctor of Technical Science	50X1-HL
	Chief of the Cathode Research Laboratory.	
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At mal	least three other engineers worked in this laboratory as did one e and three female technicians.	
CHINE	SHOP	
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7.		
	other device manufactured in the Machine Shop was a box for evacus	
6.1	AN OT BIT IIAM BEIGATUTON SAMBE DA NUTUK G OLONGITAL	JU∧1-⊓
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100	RE (A) Organization Chart, Chemical Department of Institute #160,	

SECRET



SECRET - SECURITY INFORMATION

50X1-HUM

SINTER PROCESS OVEN

This hydrogen oven was used by personnel in the Cathode Assembly Lab. and the Special Heating Lab.

